KARAOKE & DVD PLAYER

USER MANUAL

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Getting Started

1.1 Features

■ Karaoke Function

You can enjoy home karaoke with one Hard disc which includes Thailand and pop songs and designed with high quality Video and Audio.

■ DVD Player Function

DVD which stands for Digital Versatile Disc or Digital Video Disc is a storage media can be recorded as much as 135minutes video, maximum 8 languages audio sound track and also record 32 languages subtitles.
It has MPEG-2(more than LD level) video quality and Dolby Digital surround. You can enjoy Home theater environments.

■ Compatible Discs

DVD, Video CD, CD, CDG, NEO+G, WMA, MP3 can be played in this machine.

■ Dolby Digital(AC-3)

A high quality multi-channel digital audio code developed by Dolby Laboratories. Also known as Dolby Digital.
AC-3 delivers CD-quality digital audio and provides five full-bandwidth channels for front left, front right, center, surround left and surround right speakers, plus an LFE (low frequency effect) subwoofer, for a total of 5.1 channels.

■ 24bit/96KHz Audio D/A Converter

To maximize superior audio quality, convert to analog from digital is necessity process.
This unit replay Dynamic Range and Zero Cross Distortion by 24bit/96KHz audio convert technology.

1.1 Features

■ 10bit Video D/A Converter

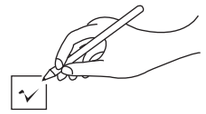
The unit adopts 10bit video D/A convert technology to reproduce the highest video quality.
It is not like the exist 8bit circuit, 10bit circuit convert the standard 8bit component signal to 10 bit signal and replays same as the original one.

Notes

This unit is designed for home appliance with good appearance, high quality, function and user' s convenience also.

1.2 Accessories

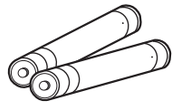
Check and identify the supplied accessories



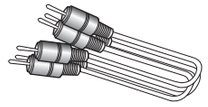
☐ Remote Control Unit : 1

(Optional Unit)

☐ Batteries for remote control unit (Size "AAA") : 2ea

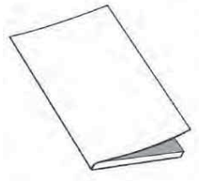


☐ Video/Audio Cable : 3 Terminal:1 set



☐ User's Manual : 1 vol

☐ Songbook : 1 vol



Cautions and Attentions

Point of notice for safety

To utilize the unit as a safe and properly and to precaution the risk or physical damage, please read this manual carefully and follow the instructions. After reading, please keep it at the safe place for the future reference.

The meaning of the signs

Danger This sign says “it contains the possibility the fire or death Or severe wound.”

Warning This sign says “it contains the possibility death or severe Wound.”

Caution This sign says “it contains the possibility the injuries or Physical damages.”

Examples of sign

Risk of Electric shock		This sign is for danger, warning, caution. (The drawing means, risk of electric shock)
Do not disassembly		This sign is for prohibition of actions. (The drawing means, do not disassembly)
Unplug The power cord		This sign is for the items which must be kept. (The drawing means, unplug the power cord)

2.1 When Install

Danger

Prohibition

- Do use 110V or 220V power outlet only.
- If not, it may cause fire, electric leakage or electric shock.

Warning

Prohibition

Do not install the unit at the places which make extreme vibration or be inclined.

Prohibit the Humidity

Do not install the unit in high humidity.
and do not place the vase or any watered materials on top of the unit

Forced

- When you connect the unit to the other peripherals, Please try after read each instruction guide. If not, It may cause fire, electric leakage or electric shock.
- Install the unit in a safe and endure the unit’ s weight. Do not install the unit in the shake place or higher place. It may cause unit damage.
- Install the unit with enough space from the wall or other materials. Especially please keep more than 10cm from the wall. If not, It may cause fire, electric shock.

Caution

Prohibition

- Do not install around electric heater or heart source. Especially, Do not place the power cord close to electric heater. It may cause fire, electric leakage or electric shock.
- Do not hurt or damage the power cord and not place any materials which can damage the power cord. If not, It may cause fire, electric leakage or electric shock.
- Do not install in the severe temperature change area. If not, It may cause fire, electric leakage or electric shock.
- Do not plug the power cord before the installation Finished. It will be caused fire or unit malfunction.
- Do not install under the direct ray of lights. It will be caused electric leakage, electric shock. Also caused deformation or discoloration of the product.
- Do install TV set(monitor) with a certain distance from the speaker unit since it can get magnetic forces easily.

⚠ Warning

Prohibition

- Do not pour the water into the product or avoid the product from the wet. It may cause fire, electric leakage or electric shocks.
- Do not put any metals such as hairpin, coin or the materials which can be burned into the unit. It may cause fire, electric leakage or electric shocks.
- Do not put the container with the water or metals on top of the unit. It can be get into the unit and may cause fire, electric leakage or electric shocks.
- Do not deform, twist, bent or heat the power cord.
- Do not touch the unit or the power cord with wet Hands. It may cause fire, electric leakage or electric shocks. Also the unit can be damaged.

Unplug the power cord

- When you hear some strange sound or smell or smoke something, shut off the power immediately (Use thick gloves or dry cloth) and unplug the power cord.

Prohibit Touches

- Do not touch the power cord when thunder or lighten.

⚠ Caution

Prohibition

- Do not insert the multi plug into one outlet. If you must do, do not exceed total power more than 30W. especially, do not use with electric heater, Monitor, TV set, hair dryer, electric cooker absolutely. It may cause fire from electric leakage.
- Do not unplug the power cord with cord itself, use cord head. It may cause fire, electric leakage or electric shocks due to the power cord trouble.
- Do not utilize the damaged the power cord or the outlet is not fixed firmly. It may cause fire, electric leakage or electric shocks.
- Do not put the product on amplifier. Also it may cause fire, electric shock from the flame of the components
- Do not impact on microphone severely. Also it may cause deterioration or damage of the product When you close to speaker unit, it will make strange sound.
- Do not install in the dust area. it may cause fire.
- Do not close the ventilation which is located topside. Also Do not place the product badly ventilated. it may cause fire.

⚠ Caution

Prohibit

- Do not move the product from the cold to hot area. The unit will be malfunctioned due to the pick-up part is wet with dew. In this case, turn power the unit off, and then keep the unit under room temperature(25°C) during 1~2 hours and then turn the power on again.
- Do not open disc tray by force. Also do not move the System when disc is inserted
- Do not spray water, beverages, alcohol to the unit. It may cause fire, electric leakage or electric shocks.
- Do not step or hang on the unit. Especially, keep out of reach of children. It can be injured if the unit is fall down or destroyed.
- Do not throw the bundled accessories toward people. It can be injured.
- Do not move the unit when something is on the topside. It can be injured if the unit is fall down or destroyed.
- Do not push the buttons by force. The unit can be damaged.

Unplug the power cord

- Unplug the power cord when the unit is not used for a Long time. It may cause fire.
- If the unit is fallen down or chassis is damaged, turn power off the unit, unplug the power cord. If you use as it is, It may cause fire, electric leakage or electric shocks.
- When moving the unit, unplug the power cord and disconnect all the peripheral devices. It may cause fire, electric shock if the power cord is damaged.

Caution

- Before you turn the power on, reduce the volume to minimize. Loud sound can damage to your hearing.

Do not disassembly

- Do not disassemble or remodel the unit. It may cause fire or electric shock.
- The company has not responsibility all kinds of accidents by unauthorized person's activities.

Caution

- This player is a class 1 laser product.
- Use of controls adjustment or performance of product other than those specified herein may result in hazardous radiation exposure.
- As the laser beam used in this player is harmful to the eyes, refer servicing to qualified only

2.3 When Cleaning

Forced	• When you clean the exterior of the unit, Do not use water, gasoline, benzene or thinner. Also do not spray Insecticide around the unit.
Caution	• Clean the interior of the unit in every year and consult with your distributor for cleaning. • It may cause fire or unit malfunction when the excretions of insects accumulate in the interior.
Unplug the power cord	• When you cleaning, turn power off and then unplug the power cord. It may cause electric shock.

2.4 Handling Discs

Do not bent discs.

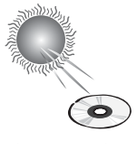
Do not fall or impact The discs

Do not write on the surface with pencil.

When you clean dust or finger print, use soft and dry cloths

Do not use benzene or thinner as a cleanser

Do not scratch or dirty when you handle by hand.



Avoid the direct ray of light

Caution

1. Do not move the unit when disc is in the tray. Disc can be departing from the tray.
2. If you do not place disc on the tray exactly, it can be damaged to the disc or the product.

Installation of HD-787 and Explanation of Each Parts

3.1 Name of Each Part

Front Panel

1 Power button
Plug the power cord to the wall outlet and press this button to supply power to the unit. Press again, power will be shut off.

2 **Microphone Jack**
Plug the microphone into this microphone jack. You can use 2 microphones at the same time.

3 **Microphone volume**
A knob which adjusts the ratio of microphone input. Turn the knob clockwise for increasing the volume, turn the knob anticlockwise for decreasing the volume.

4 **Echo volume**
A knob which adjust the echo effect of microphone input. Turn the knob clockwise for increasing the echo effect and turn the knob anticlockwise for decreasing the echo effect.

5 **FND display**
It indicates the status of disc and operation status of various other functions.

6 **Remote sensor**
It receives the infrared signal from remote controller.

7 **Disc tray**
It is the place for disc being in or out. It is controlled by OPEN/CLOSE button.
Trying to open or close the disc tray directly by hands will cause trouble.

8 **Numeric buttons**
It is to input numbers what you want.

9 **Reserve button**
This button is used for reserving the next songs. If you want to reserve the next song, press the song number and then this button.
You can reserve maximum 99 songs.

3.1 Name of Each Part

Front Panel

10 **R-Cancel/Delete button**
It is for canceling the reserved songs.
If you want to cancel the reserved song, press the song number and the press this button.

11 **Pause button**
Press this button to pause the current playing. To play again, press the Replay/Start button.

12 **Open /Close button**
Use when you open or close the tray.

13 **Search button**
Use this button to scan the contents of disc rapidly during replay DVD/Video CD/CD.

14 **Skip button**
When play DVD, it skips the chapter. When play VCD/CD, it skips the track.

15 **Play/Start button**
Press this button to play again from the pause status.

16 **Stop/Cancel button**
Press this button to stop play.

17 **Tempo button**
You can speed up or slow down the song, when play karaoke.

18 **Volume button**
You can adjust the volume up/down.

19 **Key control button**
To increase tone, press # button, to decrease tone, press ♭ button.

20 **Recording button**
This button is used for copying the discs.
(DVD/VCD/CDG/NEO+G)

21 **MPX button**
Use to select the audio output(left, right and stereo). If the disc or song contains the contents.

22 **Repeat button**

- **Karaoke** : There are four kinds of modes.

One Song ▶ Repeat one ▶ Repeat All ▶ Random

- **DVD** : Press this button while the disc is being read.

CHAPTER REPEAT ON ▶ TITLE REPEAT ON ▶ REPEAT OFF

You will have the options below at each time you press the button.

- **MP3** : You can use REPEAT function as follows by pressing this button while the disc is being read.

REP-ONE — Repeat the selected song consecutively.
▼
FOLDER REPEAT — Repeat the songs in the folder in order.
▼
FOLDER — Repeat once the songs in the folder.

- **VCD** : You can activate repeat only after you set PBC off by pressing the PBC button.

REP-ONE ▶ REP-ALL ▶ Repeat OFF

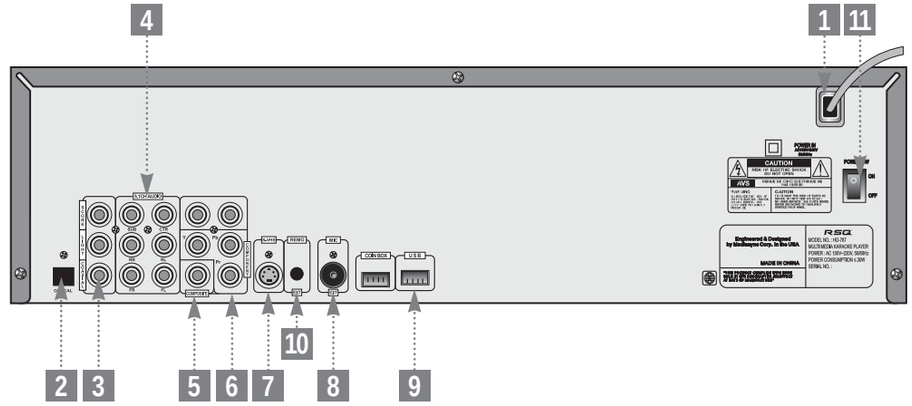
- **CD** : By pressing REPEAT during the playback, you can repeat desired pieces as follows:

REP-ONE ▶ REP-ALL ▶ Repeat OFF

23 **Mode button**
This button is used for changing devices.
(HDD/DVD/USB)

3.1 Name of Each Part

Rear Panel



1 **Power Input**
Connect this power cord to the wall outlet of 110V or 220V.

2 **Optical Audio Output Terminal**
Connect this terminal to digital amplifier which has optical audio input terminal. In the case of DVD and VIDEO CD, signal is output from this terminal but no operation can be performed in the case of Karaoke.

3 **Coaxial Audio Output Terminal**
Connect this terminal to digital amplifier which has coaxial digital input terminal. In the case of DVD and VIDEO CD, signal is output from this terminal but no operation can be performed in the case of Karaoke.

4 **5.1ch Analog Audio Output Terminal**
Connect this terminal to amplifier which has 5.1ch analog input terminal.

5 **Composite Video Output Terminal**
Connect this terminal to composite input terminal of TV or monitor.

6 **Component Video Output Terminal**
Connect this terminal to component input terminal of TV or monitor.

7 **S-Video Output Terminal**
Connect S-video input terminal of TV to view a superior image.

8 **External microphone input**
It is connected to external wireless microphone.

9 **USB operations**

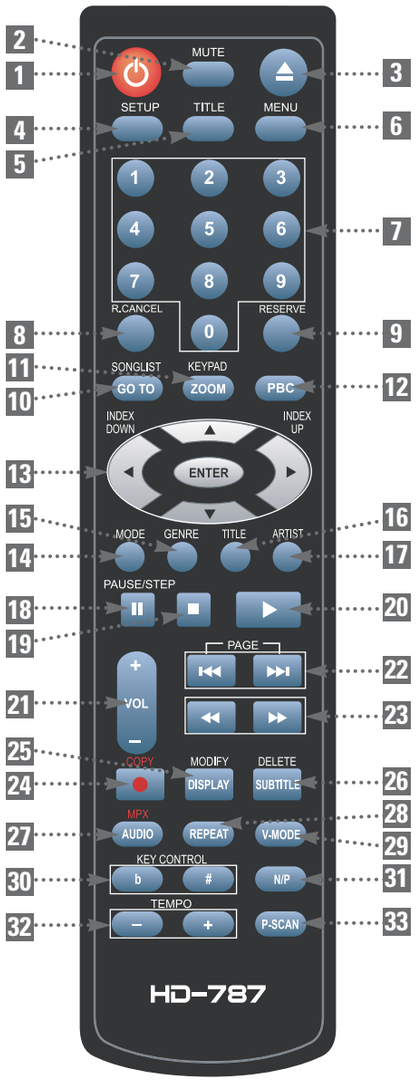
- File playing when no disc
  1. Connect USB memory.
  2. SMART NAVI is displayed.
  3. Select the file that you want to play.
- File playing when the disc is playing
  1. Connect USB memory and stop the disc playing.
  2. Press GOTO button and select USB DEV1.
  3. Select the file that you want to play.

10 **Remote In Terminal**
Insert the remote sensor that is offered on option to Remote In Terminal.

11 **Power switch**
You can switch AC power on and off.

3.1 Name of Each Part

Remote Controller



1 Power button
This button converts standby mode and power on.

2 Mute button
You will have mute on/off alternatively at each time you press this button.

3 Open/Close button
Use to open or close the disc tray.

4 Setup button
Use to change the configuration or setup of the system from the stop status.

5 Title button
- **DVD** : To select of the Title menu contains in the disc.

6 Menu button
- **DVD** : To select the Root menu contains in the disc.

7 Numeric button
Use to enter the number what you want.

8 R-Cancel button
- **Karaoke** : After enter the number and then press this button to cancel song which is reserved already. If you don't enter the number reserved, the latest song reserved is canceled.(NEO+G: The latest song reserved is only canceled)

9 Reserve button
- **Karaoke** : To reserve the song, input the number and press this button. You can reserve max 99 songs.

10 Song List/Goto button
- **Karaoke** : To search the titles of song or singer to play.
- **DVD/VCD** : Used for jumping to the desired title, chapter or track or time by pressing numeric and direction buttons.

3.1 Name of Each Part

Remote Controller

11 Keypad/Zoom button
- **Karaoke** : To search the titles of song or singer by virtual keypad.
- **DVD/VCD**: Enlarge the scene what you want. When you press at the pause status, you can search with direction buttons.

12 PBC button
- **VCD 2.0** : Enable or disable the PBC function.

13 Direction/Enter button
Use to select, set up, confirm of menu item. you can do index down and up by pressing ◀/▶ button.

14 Mode button
This button is used for changing devices. (HDD/DVD/USB)

15 Genre button
Use to select karaoke, movie and music mode.

16 Title button
You can select title sort list in the song list mode.

17 Artist button
You can select singer sort list in the song list mode.

18 Pause button
When you press this button the playing is paused from the play status.

19 Stop button
Press this button to stop the playing.

20 Play button
From the pause status, press this button to restart.

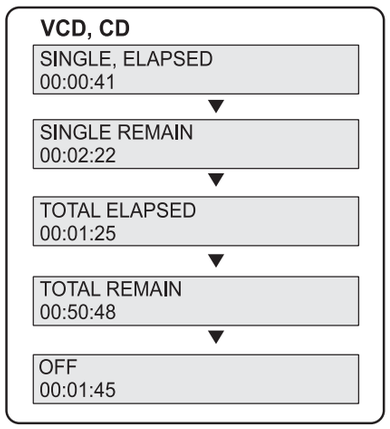
21 Volume button
You can adjust the volume up / down.

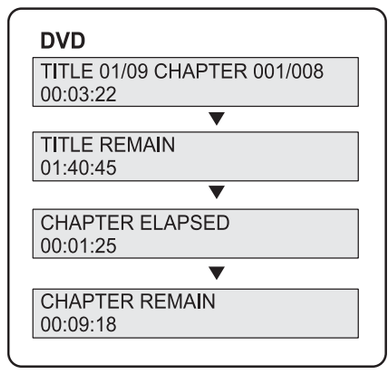
22 Skip/Page button
- **DVD/VCD/CD**: Use to move chapter or track.
- **Karaoke** : In song list menu, you can search by every 1page by pressing this button.

23 Search Forward/Backward button
- **DVD/VCD**: Use to search the scene what you want or fast forward/backward the play.

24 Copy button
This button is used for copying the discs. (DVD/VCD/CDG/NEO+G)

25 Modify/Display button
- **Karaoke** : To modify the song list registered.
- **DVD/VCD** : Press this button to display information of title or chapter.





- **MP3** : To display chapter, elapsed time and chapter, remaining time.

26 Delete/Subtitle button

- **Karaoke** : It is for canceling the reserved songs. If you enter wrong number, you can delete the number.
- **DVD :** If the disc contains subtitle, you can choose a language by pressing the button. According to the disc, you can have different language options for subtitle.
- **DivX** : You can set up display about the subtitle for playing. You can choose subtitle which you want for stopping.

27 MPX/Audio button

- **Karaoke** : Use to select the audio output(left, right and stereo). If the disc or song contains the contents.
- **DVD** : If the disc contains sequences recorded from different audio language, the kinds of Audio appears showing the number of available audios, and the audio being shown. You can change the audio language if you wish.
- You can select the vocal mode for VOB files in HDD.

28 Repeat button

- **Karaoke** : There are four kinds of modes.

One Song ▶ Repeat one ▶ Repeat All ▶ Random

- **DVD** : Press this button while the disc is being read.

CHAPTER REPEAT ON ▶ TITLE REPEAT ON ▶ REPEAT OFF

You will have the options below at each time you press the button.

- **MP3** : You can use REPEAT function as follows by pressing this button while the disc is being read.

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▼
FOLDER — Repeat once the songs in the folder.

- **VCD** : You can activate repeat only after you set PBC off by pressing the PBC button.

REP-ONE ▶ REP-ALL ▶ Repeat OFF

- **CD** : By pressing REPEAT during the playback, you can repeat desired pieces as follows:

REP-ONE ▶ REP-ALL ▶ Repeat OFF

29 Video Input button

This button is used for changing video input. (RGB/S-VHS/YPbPr)

30 Key Control button

- **Karaoke** : To increase tone, press # button, to decrease tone, press ♭ button.

31 Video Output button

This button is used for changing video output. (NTSC/PAL)

32 Tempo button

- **Karaoke** : Used for changing the tempo of the song. To increase tempo press + button, to decrease tempo, press - button.

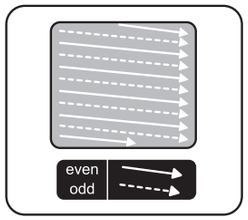
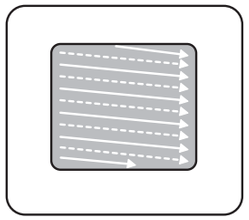
33 P-SCAN button

By pressing this button, you can select “Progressive” and “Interlace Scan” repetitively.

3.1 Name of Each Part

Remote Controller

What is Progressive(or Non-Interlaced)Scanning?

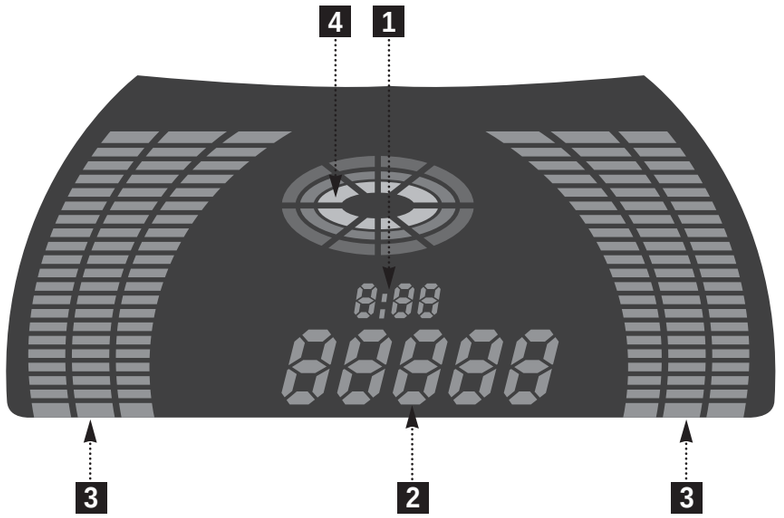
Interlaced Scan(1 FRAME=2FIELDS)	Progressive Scan (FULL FRAME)
	
In interlaced-scan video, a frame consists of two interlaced fields(odd and even), where each field contains every other horizontal line in the frame. The odd field of alternating lines is displayed first, and then the even field is displayed to fill in the alternating gaps left by the odd field to form a single frame. One frame, displayed every 1/30th of a second, contains two interfaced fields, thus a total of 60 fields are displayed every 1/60th of a second. The interlaced scanning method is intended for capturing a still object.	The progressive scanning method scans one full frame of video consecutively down the screen, line by line. An entire image is drawn at one time, as opposed to the interlaced scanning process by which a video image is drawn in a series of passes. The progressive scanning method is desirable for dealing with moving objects.

Note

- This function works only on TVs equipped with component video inputs(Y, Pr, Pb) that support Progressive Video.(It does not work on TVs with conventional component inputs, i.e., non-progressive scan TVs.)
- Depending on the brand and model of your TV, this function may not work.

3.1 Name of Each Part

FND Display



1 Elasped Time

It displays the elapsed playing time DVD title or Video CD track in Hour and Min.

2 Title/Chapter & Song numbers

It displays the title/chapter & Song numbers of the disc which is running.

3 Microphone/Music Level Meter

It displays the levels of the microphone/music volume.

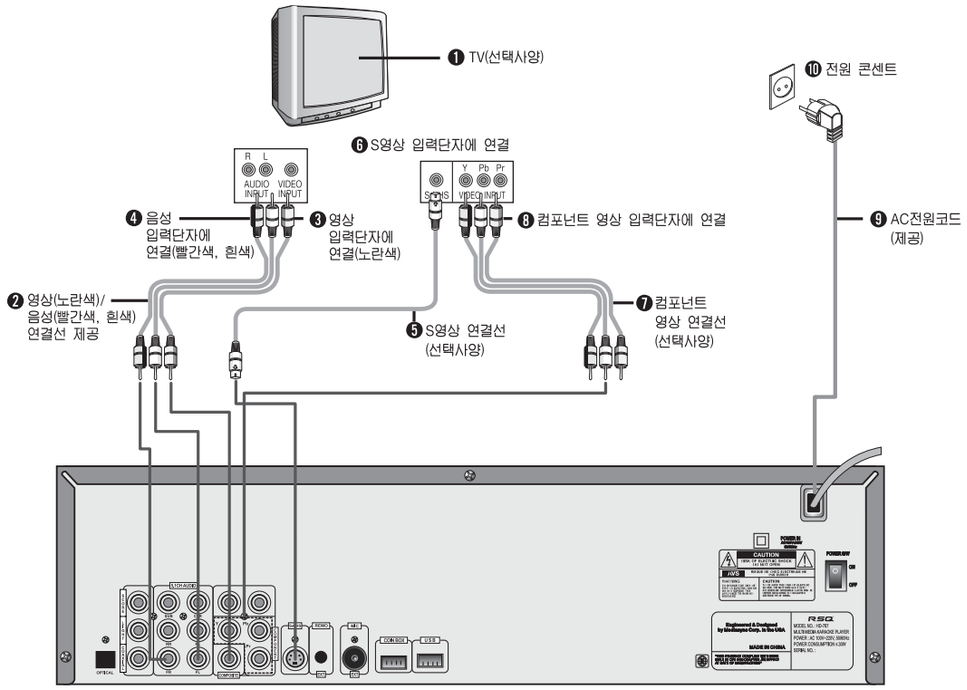
4 Disc rotation

It shows that the disc is running.

3.2 Basic Connection

- Ensure that the power switch of other equipment be connected is set to off before commencing connection.
- Do not block ventilation holes of any of the equipments so that air can circulate freely.
- Read the instructions before connecting other equipments.
- Ensure that you observe the color coding when connecting audio and video cables.
- Select the appropriate screen type at the initial setting “TV” according to your TV set.

Connecting to a Stereo TV Set

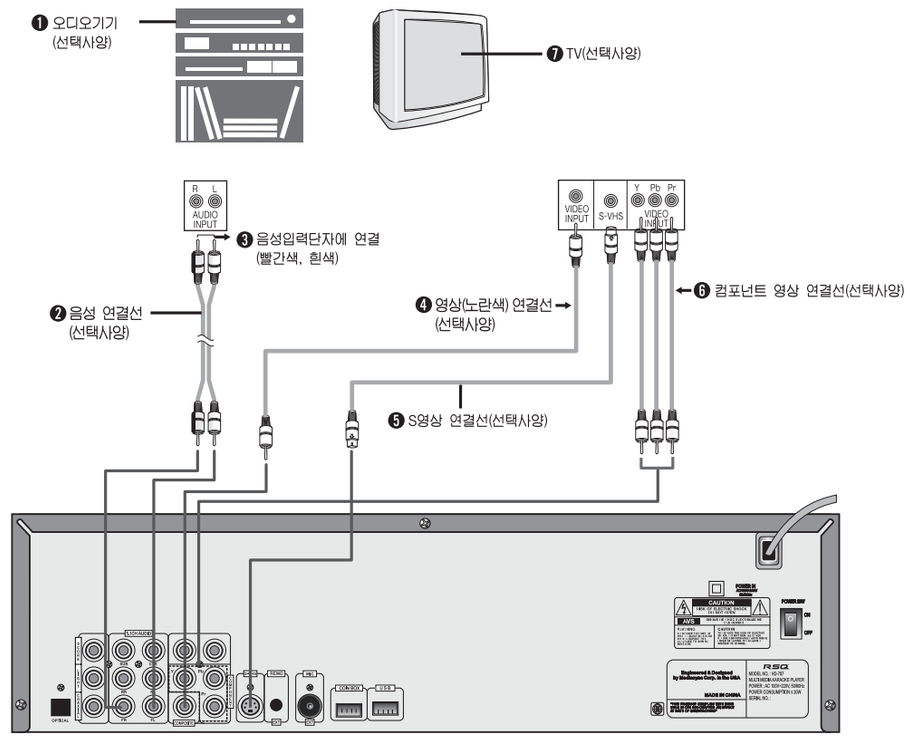


3.2 Basic Connection

∗ ***Note*** *: 1. During DVD play, the TV volume may be a lower level than TV broadcasts, In this case, adjusts the volume to the desired level.*

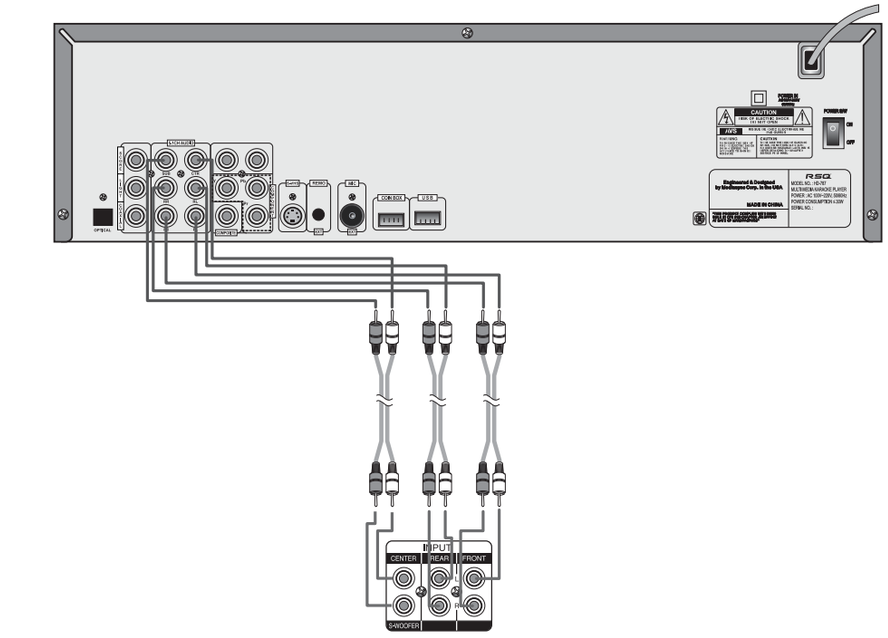
2. If this machine is connected to the TV via a video cassette recorder, the picture may not be played well with some DVDs. In this case, do not connect the player via the VCR.

Connecting to a Audio Equipment



3.2 Basic Connection

Connecting to the Amplifier has 5.1ch Input

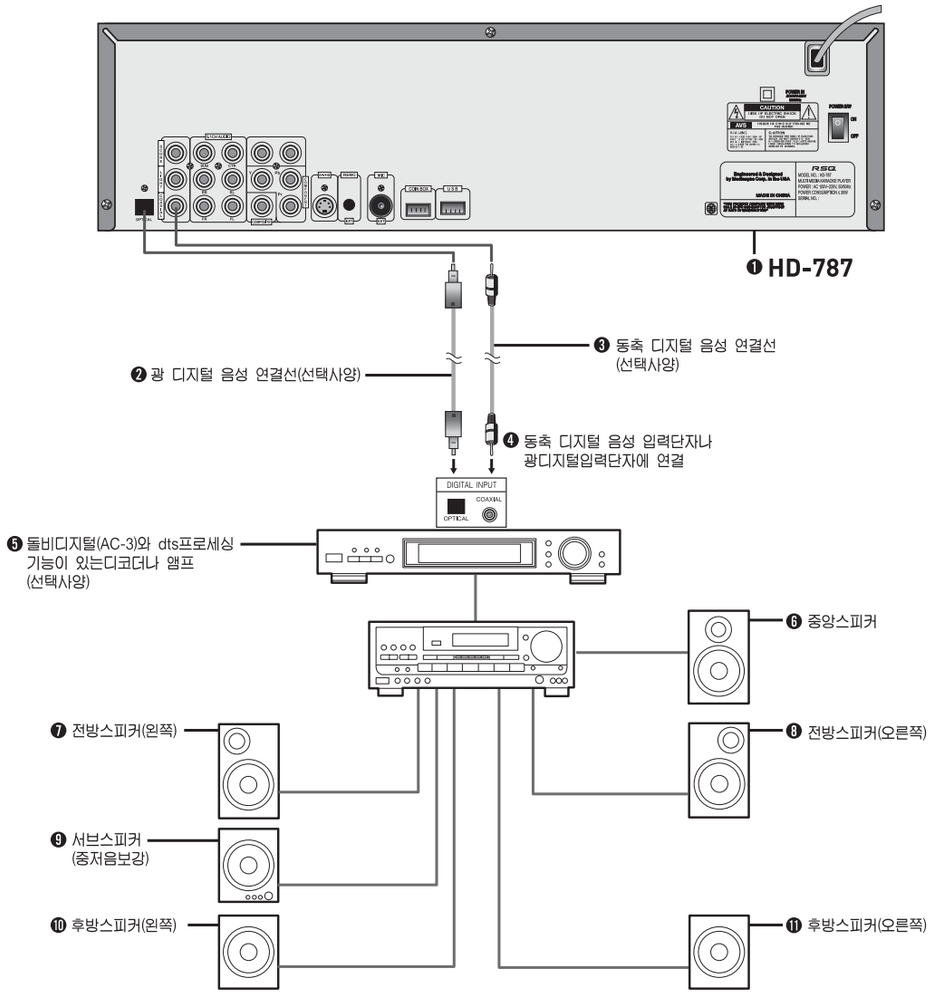


❶ 돌비디지털(AC-3)와 dts 프로세싱기능이 있는 디코더나 앰프 (선택사양)
❷ 중앙스피커
❸ 전방 스피커(왼쪽)
❹ 전방스피커(오른쪽)
❺ 서브스피커 (중저음 보강)
❻ 후방스피커(왼쪽)
❼ 후방스피커(오른쪽)

3.3 Optional Audio Connection

Connecting to a Decoder with Dolby Digital Processing

When DVDs recorded in Dolby Digital are played, Dolby Digital bitstream is output from player's OPTICAL digital audio output connector. When the player is connected to a Dolby Digital decoder you can enjoy theater quality audio in your home. [An OPTICAL digital audio cable (optional) is required when an optional Dolby Digital decoder is used.]



❶ HD-787
❷ 광 디지털 음성 연결선(선택사양)
❸ 동축 디지털 음성 연결선 (선택사양)
❹ 동축 디지털 음성 입력단자나 광디지털입력단자에 연결
❺ 돌비디지털(AC-3)와 dts프로세싱 기능이 있는디코더나 앰프 (선택사양)
❻ 중앙스피커
❼ 전방스피커(왼쪽)
❽ 전방스피커(오른쪽)
❾ 서브스피커 (중저음보강)
❿ 후방스피커(왼쪽)
⓫ 후방스피커(오른쪽)

3.3 Optional Audio Connection

Optional Digital Audio Output

❶ **When connecting the optical digital audio cable**

• Connect the terminal and cable exactly

❷ **Connecting the audio output from the unit's optical digital audio output connector**

Disc	Sound recording format	Optical digital audio output from connector
DVD	Dolby Digital	Dolby digital bitstream(1-5.1ch) or PCM(2ch) (48KHz/16bit) ※1
	Linear PCM(48/96KHz 16/20/24 bit)	Linear PCM(2ch)(48KHz/16bit only) ※2 or no output ※1
Video CD	MPEG1	PCM(44.1KHz)
CD	Linear PCM	Linear PCM(44.1KHz)

※1 The type of audio output from the connector can be selected by the initial setting.

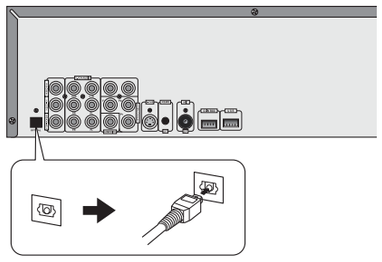
※2 Sound having 96KHz sampling rate is converted into 48KHz sampling rate when it is output from the unit's digital audio output connector.

❸ **Reference**

• Dolby Digital is a digital sound compression technique developed by the Dolby Laboratories Licensing Corporation. Supporting 5.1-channel surround sound, as well as stereo or mono sound, this technique enables a large quantity of sound data to be efficiently recorded on disc.

• Linear PCM is a signal recording format used in CDs. While CDs are recorded in 44.1KHz/16bit, DVDs are recorded in 48KHz/16 bit up to 96KHz/24bit.

• If you have a Dolby Pro Logic Surround decoder, you will obtain the full benefit of Pro Logic from the same DVD movies that provide full 5.1-channel Dolby Digital soundtracks, as well as from titles with the Dolby Surround mark.



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∗ CAUTION for the OPTICAL digital audio output connector :

1. When connecting an amplifier(with an OPTICAL digital input connector) which does not contain the Dolby digital be sure to select "PCM" at "1. DIGITAL AUDIO" of the initial setting "AUDIO".
2. Otherwise any attempt to play DVDs may cause such a high level of noise that it may be harmful to your ears and damage your speakers.

3.4 Usage of Remote Controller

Battery Installation

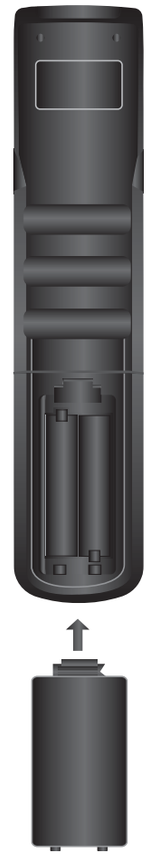
Insert the batteries after make sure the correct (+) and (-) polarities as illustrated as below.

Lifetime of batteries

• The batteries long last for about one year although it depends on how often, and for what operations, the remote control is used.

• If the remote controller fails to operate even it is operated near the machine, replace the batteries immediately.

• Use "AAA" batteries.



3.4 Usage of Remote Controller

Warning

Prohibit

- Do not charge the batteries. It may cause fire, wound.

Caution

- Keep out of reach of children. If children take them, they need to see a doctor immediately.

Warning

Prohibit

- Do not use unauthorized batteries. Do not mix old and new batteries. The leak of electrolyte may cause the injury, environmental pollution
- Do not attempt to short-circuit, the leak of electrolyte may cause the injury.
- Do not attempt to disassemble or throw into fire or water, The leak of electrolyte may cause the injury, environmental pollution

Caution

- Insert the batteries after make sure the correct (+) and (-) polarities. The leak of electrolyte may cause the injury, environmental pollution
- If the remote controller is not going to used for a long periods, remove the batteries, otherwise, electrolyte may leak and it may cause unit malfunction and environment pollution.
- Collect the spent batteries separately. Otherwise, it may Cause the environmental pollution.

3.4 Usage of Remote Controller

Remote Controller Operating Range

- The remote controller unit should be with in 7m (23feet) and operating angle should be with in 60 degree at the front of the remote control sensor
- The operating distance can be varied with the brightness of the room.

∗ ***Note*** *: 1. Do not flash the bright light.*

2. Do not place objects between the remote control sensor and remote controller.

3. Do not use with the other remote controller.

The remote control sensor

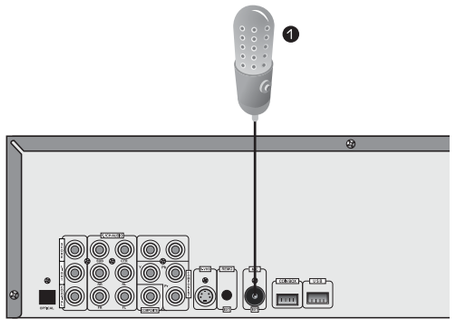
3.5 Microphone Connection

❶ Connect the Microphone

- You can connect the microphone with 6.3mm stereo plug at the front side.
- You can connect a wireless microphone at the rear side.

❷ Adjust the Microphone Volume Level

❸ Adjust the Echo Volume Level



✱ ***Note*** *: When you are using the microphone, be sure to connect analog audio output terminal. (It does not make any sound from the digital audio output terminal)*

Playing Discs

4.1 Inserting a Disc

1 Playing a DVD Video Disc

You will recognize DVD Video discs by the logo. Depending on the material on the disc (a movie, video clips, a drama series, etc.), it may have one or more titles, and each title may have one or more chapters.

✱ ***Note :*** *Since it is usual for DVD movies to be released at different times in different regions of the world, all players have region codes, and discs can have an optional region code. If you insert a disc of a different region code to your machine, the disc will not play, and should be removed.*

2 Playing a Video CD

You will recognize Video CDs by the logo. Depending on the material on the disc(a movie, video clips, a drama series, etc.) it may have one or more TRACKs as indicated on the disc case.

Some Video CDs have Playback Control(PBC), which is a predefined playback sequence stored on the disc.

3 Playing an Audio CD

Audio CDs contain music TRACKs only. You will recognize CDs by their logo.

4 CDG/NEO+G Karaoke Disc

❶ The CDG is audio CD that is added the words of a song. You can use like karaoke.

❷ The NEO+G is compressed CDG. A DVD disc contains 1500 songs. The disc is Automatically worked like karaoke disc. Press title button, you can select song.

4.1 Inserting a Disc

5 Inserting a Disc

❶ Press OPEN/CLOSE on the front of the player. The disc tray opens.
❷ Lay your chosen disc in the tray, label side up. Make sure it is sitting properly in the correct recess.
❸ Press OPEN/CLOSE, to close the tray.

∗ ***WARNING :*** *A bad or scratched disc can cause troubles such as disc loading failure or unexpected actions during play.*

4.2 Basic Operations

∗ ***Note :*** *SEARCH, STEP, SLOW, and using disc menu functions may lead to the trembled screen display with some discs.*

1 Basic Play

❶ Press POWER to switch on the power.
❷ Press OPEN/CLOSE to open the disc tray.
❸ Place a disc onto the disc tray.
❹ Press OPEN/CLOSE to close the disc tray.
❺ Press PLAY.
- The disc tray is automatically closed and begins playing.
- In case of interactive DVDs or Video CDs with playback control, a MENU screen appears on the TV monitor.

2 Stop Playing(DVD)

❶ Press STOP button. When Playing is stopped, the unit records the point where STOP was pressed (PRE-STOP mode).
❷ Press PLAY in PRE-STOP mode to resume from this point. When the tray is opened, STOP button is pressed again, or the power is turned OFF and then ON, the resume function will be cleared.

3 Skip forward or backward

When a TITLE on a DVD disc has more than one CHAPTER or a Video CD/CD has more than one TRACK, you can move to another CHAPTER or TRACK as follows:

❶ Press ▶▶| during play to step forward to the next CHAPTER or TRACK.
❷ Skip leftward while being played
Press (|◀◀) button to move to the current CHAPTER for DVD, and to the initial position of the current track for VIDEO CD and CD.
When elapsed time of currently selected CHAPTER of track is less than 3 seconds, it skips to the left.
Press (|◀◀) button to move to the previous CHAPTER for DVD, and to the previous track for VIDEO CD and CD.
❸ Tracks are selectable using numeric buttons at the stop mode for VIDEO CD and CD. In case of the fault of setting, press STOP button to reset.

4 Search Forward or Backward

❶ To search forward or backward through the disc, press ▶▶ or ◀◀ during play.
- Search begins, and sound is muted.

❷ To return to play, press PLAY button.
- The speed of search is relatively slow at first. When the button is pressed again, the speed becomes faster.

5 Pause

❶ Press PAUSE (❚❚) button to stop temporarily.

❷ Press PLAY (▶) button to restart from the “PAUSE”.

6 Zoom (DVD/Video CD)

You can get magnified scene by twice on TV, but this function is slightly different according as the play modes when ZOOM button is pressed, are NORMAL PLAY mode or STILL mode.

❶ To get the magnified scene, press ZOOM.

❷ If in STILL mode, move to the desired scene position by using the direction buttons.

❸ To return to the normal size scene, press ZOOM again.

∗ ***Note :*** *The zoomed scene may tremble depending on the discs.*

7 MENU Function (DVD)

❶ Press MENU button either at STOP and PLAY mode.

❷ Press ▲ or ▼ to choose items.

❸ Press ENTER or PLAY buttons to carry out the function of selected item.

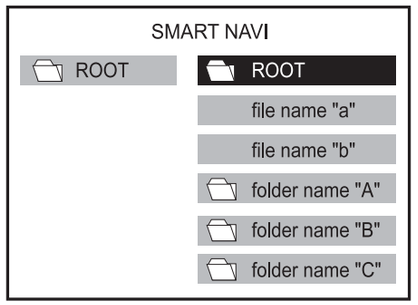
❹ Press MENU to return to the MENU mode.

∗ ***Note :*** *MENU screen only appears with the disc which includes MENU function.*

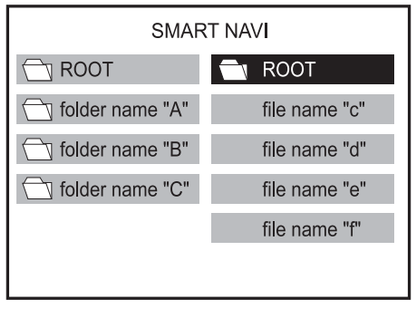
MP3

Once you insert the MP3 Disc in the tray, smart navigation starts to operate automatically.

1 Disc Play



After pointing out desired title using ▲ or ▼ buttons, press the ENTER button.



If you want to choose a title existing in the folder, you can do it using ▲ or ▼ buttons and pressing ENTER button.

Play Mode

REP-ONE	Play repeatedly the selected song.
FOLDER REPEAT	Play the songs in the folder repeatedly in order.
FOLDER	Play the songs in the folder one by one.

Karaoke

The karaoke player plays contained contents, copied songs in HDD and karaoke disc like CDG and NEO+G.

5.1 Basic Operation

1 Play

Press the song number using numeric buttons.

• Press PLAY or ENTER buttons to start the song.

2 Stop

Press STOP button while the song is playing.
This function cancels the song currently playing.

❶ STOP button stops the current song being played.

❷ Press STOP button in case that wrong number is pressed while booking for a song and the number disappears to return to the initial stage.

5.2 Karaoke Operations

1 Microphone (Volume) Control

• The function controls Microphone Volume.

• By turning the Microphone Volume Controller clockwise on the front side of main body, the voice gets louder.

• The voice gets smaller when it turns counterclockwise.

2 Echo Control

• It gives Echo Effect to the microphone.

• By turning the Echo Controller clockwise on the front side of main body, the effect gets increased.

• The effect gets decreased when it turns counterclockwise.

3 Key Control

• The key of the current song can be chosen using the KEY (♭ , #) button.

• By pushing the button once, the key of the song gets higher/lower by semitone.

• It changes to another by pressing each button.

4 Tempo Control

• The tempo of the song can be varied using TEMPO (–, +)button.

• By pushing the TEMPO (+)button, the song plays faster.

• By pushing the TEMPO (–)button, the song plays slower.

• The tempo varies by pressing each button.

5 Reserve

Press RESERVE button to reserve the song after pressing desired song numbers and RESERVE button subsequently. Maximum 99 songs can be memorized. (Only HDD karaoke mode)

6 Reserve Cancel

• Press R-CANCEL button to cancel previously reserved song following pressing song numbers desired to cancel.

5.2 Karaoke Operations

7 Repeat

The mode includes One Song, Repeat One, Repeat All, Random.
Choose desired mode.

- **One Song** : The system is pre-set with One tune mode from the start and it plays and stops only chosen song.
- **Repeat One** : It enables to play selected song repeatedly.
- **Repeat All** : It enables to play next songs subsequently by song numbers after playing selected song.
- **Random** : It enables to play in randomized order.

8 Chorus/Singer

If the disc contains chorus or singer songs which is divided into left or right channel, you can select left, right, stereo channel using MPX button, and enjoy chorus or singer.

9 Mute

- Press MUTE button to mute the melody indicating MUTE ON on the screen. By pressing the button once again, MUTE ON function is removed indicating MUTE OFF on the screen.

10 Volume

It controls volume of the current song with volume -/+ buttons.

11 System restriction

- HD-787 HDD must be formatted as FAT32 system.
- It could have only 1 partition.

12 How to change the HDD karaoke operation

If you are on HDD karaoke state, you should escape the HDD karaoke mode using mode or open button.
Automatically change to DVD player state using open button.
If you are on DVD player state, you should change device using the mode button on remote controller and then you can select the HDD karaoke state.

5.3 Special Operations

1 Song Listing Function

The function “Song List” enables easy search for desired song from the disc.

- You can change the item in the selected index by pressing(▲, ▼), (◀, ▶) button.
- You can start or reserve the song by pressing ENTER or RESERVE button.
- You can search songs by virtual keypad.

❶ **Song listing by genre**
Press the genre button to display song listing by genre.

(Karaoke/Movie/Music/Loader)

❷ Song listing by title

Press the title button to display song list by title.

SONG SEARCH
KARAOKE
TITLE
A
12185 NEOG A Bad Goodbye Clint Blac..
12186 NEOG A Boy Like Me A G.. Elvis Pres..
11720 NEOG A Boy Named Sue Johnny Cas..
10998 NEOG A Boy Named Sue Johnny Cas..
10276 NEOG A Boy Named Sue Johnny Cas..
12204 NEOG Aces Suzy Boggu..
10035 NEOG Achy Breaky Hea.. Billy Ray ..
11479 NEOG Achy Breaky Hea.. Billy Ray ..
10757 NEOG Achy Breaky Hea.. Billy Ray ..
INDEX
ITEM
EXIT

(Screen of song list by title)

❸ Song listing by singer

Press the singer button to display song list by singer.

SONG SEARCH
KARAOKE
ARTIST
A
12424 NEOG Dont Take Away M.. Aaron Nevi..
13177 NEOG Tell It Like It .. Aaron Nevi..
13376 NEOG Working Mans Ph.. Aaron Tipp..
13247 NEOG There Aint Noth.. Aaron Tipp..
12230 NEOG ALL THAT SHE WAN.. ACE OF BAS..
11949 NEOG Beautiful Life Ace Of Bas..
11227 NEOG Beautiful Life Ace Of Bas..
10505 NEOG Beautiful Life Ace Of Bas..
11736 NEOG One A Chorus L..
INDEX
ITEM
EXIT

(Screen of song list by singer)

❹ Virtual keypad

Press the keypad button to use the virtual keypad.

SONG SEARCH
KARAOKE
ARTIST
A
12424 NEOG Dont Take Away M.. Aaron Nevi..
13177 NEOG Tell It Like It .. Aaron Nevi..
13376 NEOG Working Mans Ph.. Aaron Tipp..
SONG SEARCH
TITLE
0 1 2 3 4 5 6 7 8 9
A B C D E F G H I J
K L M N O P Q R S T
U V W X Y Z - _ ← SP
MOVE
ENTER
SELECT
NEXT
EXIT

- You can enter the character by pressing enter and direction button.
- If Press the play button, the song is played. and you can reserve.
- You should go out this state by pressing stop or cancel button.

❷ How to copy disc

If you want to move the data of disc to HDD, press copy button.(DVD/VCD/CDG/NEO+G)

(Insert the disc)

(select the file and genre)

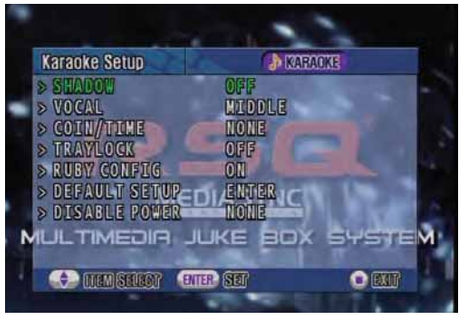
5.3 Special Operations

❸ Karaoke Setup

The function is only available with HDD Karaoke mode.
Various functions of the HDD Karaoke can be set as desired along with “Karaoke INITIAL SETUP” function.

❶ Enter your PASSWORD.(Initial password is ‘0000’)

❷ Displayed on the screen while setup mode appears on the screen by pressing “SET UP” when the state is karaoke mode.



❸ Press cursor Up(▲), Down(▼) buttons to move to “SETUP MENU” and then press ENTER button to select the desired item.

* **Shadow** : This function enables to set the lyrics to be displayed in the black strips.
* **Singer** : This function enables to set the singer to High, Middle, Low or off.
* **Coin/Time** : This function enables to set the number of coin to sing one song or the time for singing.
* **Tray Lock** : While user plays you can’t choose to move the disc tray.
* **Ruby Config** : This function enables to set the screen display of ruby playing a song functioned with ruby.
* **Default Setup** : This function restores the settings to initial state of purchase.
* **Power setup** : It setup power of Karaoke player.
  (NONE/FRONT/SMALL RCU/BIG RCU/FRONT_SMALL/FRONT_BIG/SMALL_BIG/ALL)

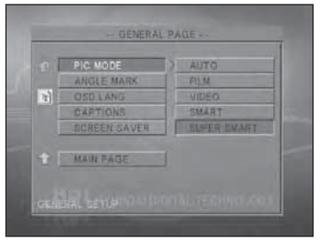
Initial Setting

6.1 DVD Initial settings/General settings

❶ Press SETUP button in stopped or playback state.

❷ Point out the SETUP by ▲or ▼ buttons and press ENTER button.

❸ Select desired setting by ▲or ▼ button and enter the detailed setting with ▶ button.



❹ Select a desired setting by pressing ▲or ▼ buttons and press ENTER button to apply it.

❺ You can come out of the detailed settings page by pressing ◀ button.

- **PIC MODE :** IMAGE DETAILS SETTINGS
  - **AUTO** Sets the screen resolution automatically.
  - **FILM** Setting for a film or a progressive
  - **VIDEO** Sets to the high Resolution Mode
  - **SMART** Sets to the high Resolution Mode that support the Progressive.
  - **S-SMART** Sets to the High Resolution Mode that supports the Progressive.
- **ANGLE MARK :** CAMERA MARK
  If you have some TITLES filmed from different angles, you will see a camera icon on the screen by pressing ON button. This icon means that you can see different pieces of TITLES.
- **OSD LANG :** SCREEN INDICATION LANGUAGE SETTING
  You can select a language of the screen.
- **CAPTIONS**
  Translation of foreign dialogue of a movie.
- **SCREEN SAVER :** SCREEN PROTECTOR SETTING
  After certain duration of STOP/PAUSE state, screen protector stats to work.
- **MAIN PAGE :** RETURN TO MAIN SETUP PAGE
  You can return to the Main MENU on the SETUP page.

6.2 DVD Initial settings/Speaker settings

❶ Press SETUP button in stopped or playback state.

❷ Point out the SETUP by ▲or ▼ buttons and press ENTER button.

❸ Select desired setting by ▲or ▼ button and enter the detailed setting with ▶ button.

❹ Select a desired setting by pressing ▲or ▼ buttons and press ENTER button to apply it.

❺ You can come out of the detailed settings page by pressing ◀ button.

- **DOWNMIX :** AUDIO CHANNEL COMPOSITION
  This allows you to have a proper Audio output when the Audio channel composition recorded in the Disc is different from the one that should be output.
  - **LT/RT** When connected to Dolby Pro Logic Decoder Amp.
  - **STEREO** When connected to STEREO Amp.
  - **OFF** It is able to setup for 5.1 channel audio.
- **CENTER :** CENTRAL SPEAKER SETTING
  You can set the central speaker for use by pressing **ON** button.
- **REAR :** REAR SPEAKER SETTING
  You can set the rear speaker for use by pressing **ON** button.
- **SUB WOOFER :** SUB WOOFER SPEAKER SETTING
  You can set the central speaker for use by pressing **ON** button.
- **CENTER DELAY :** CENTRAL SPEAKER DELAY SETTING
  You can select central speaker's delay duration up to 0 ~ 5ms.
- **REAR DELAY :** REAR SPEAKER DELAY SETTING
  You can select rear speaker's delay duration up to 0 ~ 15ms.
- **TEST TONE :** TEST TONE SETTING
  You can select test tone's ON or OFF.
- **BASS :** BASS SPEAKER SETTING
  You can select bass speaker's config1 or config2.

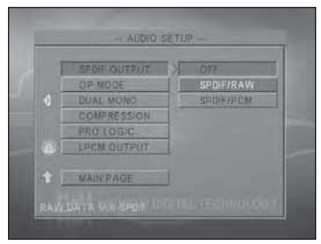
6.3 DVD Initial settings/Audio settings

❶ Press SETUP button in stopped or playback state.

❷ Point out the SETUP by ▲or ▼ buttons and press ENTER button.

❸ Select desired setting by ▲or ▼ button and enter the detailed setting with ▶ button.

❹ Select a desired setting by pressing ▲or ▼ buttons and press ENTER button to apply it.



❺ You can come out of the detailed settings page by pressing ◀ button.

- **SPDIF OUTPUT :** SPDIF OUTPUT SETTING
  - **SPDIF/RAW** In case of Coaxial/optical output, connection to the Amp(Dolby digital/DTS) with digital decoder.
  - **SPDIF/PCM** In case of Coaxial output, connection to the Amp(channel 2) with digital decoder.
  - **OFF** Only analog audio output can be used.
- **OP MODE**
  - **LINE OUT** : Line out mode, with digital dialog normalization. DEFAULT
  - **RF REMOD** : RF remodulation mode, with heavy compression and digital dialog normalization.
- **DUAL MONO SETTING**
  This is similar to the Multiplex television and can work only for the Disc designed for DUAL MONO program.
  - ▶ **STEREO** Outputs proper channels through both right and left speakers.
  - ▶ **L-MONO** Outputs the channel of the left side through both right and left speakers.
  - ▶ **R-MONO** Output the channel of the right side through both right and left speakers.
  - ▶ **MIX-MONO** Outputs through both right and left speakers by mixing up two channels.
- **COMPRESSION**
  You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night.
  You can adjust the Compression effect which being greater of smaller.
- **PRO LOGIC SETTING**
  There are three modes of OFF/ON/Auto.
- **LPCM OUTPUT :** LPCM OUTPUT SETTING
  It uses the LPCM 48K/LPCM 96K format of Audio data.

6.4 DVD Initial settings/Karaoke settings

❶ Press SETUP button in stopped or playback state.

❷ Point out the SETUP by ▲ or ▼ buttons and press ENTER button.

❸ Press ▶ button.

❹ Select a desired setting by pressing ▲ or ▼ buttons and press ENTER button to apply it.

❺ You can come out of the detailed settings page by pressing ◀ button.

- **KARAOKE SETTING**
  This setting enable to adjust the key control function and set the chapter play for use the another consumer Karaoke.
  (DVD/VCD Karaoke, MP3, CD)

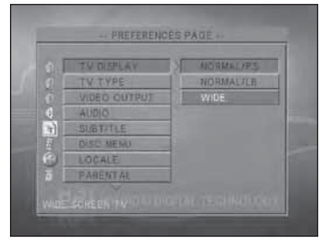
6.5 DVD Initial settings/Basic conditions

❶ Press SETUP button in stopped or playback state.

❷ Point out the SETUP by ▲ or ▼ buttons and press ENTER button.

❸ Select desired setting by ▲ or ▼ button and enter the detailed setting with ▶ button.

❹ Select a desired setting by pressing ▲ or ▼ buttons and press ENTER button to apply it.



❺ You can come out of the detailed settings page by pressing ◀ button.

- **TV DISPLAY :** TV SCREEN RATIO SETTINGS.
  - **NORMAL/PS** 16:9 Displays only the central part at the ratio of 4:3.
  - **NORMAL/LB** 4:3 Although you can watch the 16:8 screen from the 4:3 screen, the upper and bottom parts appear black.
  - **WIDE** You can enjoy 16:9 wide screen.
- **TV TYPE SETTING**
  - **MULTI** Sets for Multiplex TV mode.
  - **NTSC** Sets NTSC TV mode.
  - **PAL** Sets for PAL TV mode.
- **VIDEO OUTPUT SETTING**
  - **S-VIDEO** Sets the Output signals for S-VIDEO.
  - **YPbPr** Sets the Output signals for YPbPr.
  - **RGB** RGB.(Component)
    You can connect to the TV via the component terminals.
- **AUDIO LANGUAGE SETTING**
  You can play the Disc in the language of your choice.
  SUBTITLE LANGUAGE SELECTION
  You can set the subtitle in the language of your choice.
- **SUBTITLE LANGUAGE SETTING**
  You can set the subtitle in the language of your choice.
- **DISC MENU**
  Where available - languages depend on disc.
- **LOCALE SETTING**
  You can set your locale.
- **PARENTAL SETTING**
  You can set the subdivision grades up to 9 levels.
  Higher levels are for the adults.
- **PASSWORD SETTING**
  You set a password. Initial value is ‘3308’.
- **DEFAULTS SETTING**
  You can restore the settings to initial state of purchase.
- **SMART NAV :** MP3 NAVIGATION MENU
  You set the MENU contents for MP3.

For Your Reference

7.1 Trouble shooting

Before requesting service for this unit, check the chart below for a possible cause of the problem you are experiencing. Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation.

Symptom (Common)	Remedy
• No power.	• Insert the AC power plug securely into the power outlet.
• Play fails to start even when PLAY is pressed. • Play starts but then stops immediately.	• Condensation has formed: wait about 1 to 2 hours to allow the player to dry out. • This player cannot play discs other than DVDs, Video CDs and CDs. • The disc may be dirty and may require cleaning.
• No picture.	• Ensure that the disc is installed with the label side up. • Ensure that the equipment is connected properly.
• No sound. • Distorted sound.	• Ensure that the input setting for the TV is “Video”. • Ensure that the equipment is connected properly. • Ensure that the input settings for the TV and stereo system are correct.
• Picture is distorted during rapid advance or rapid reverse.	• The picture will be somewhat distorted at times:this is normal.
• No rapid advance or rapid reverse play.	• Some discs may have sections which prohibit rapid advance(or rapid reverse).
• No 4:3(16:9) picture.	• Choose the correct setup "TV" item which matches the TV set used.
• No operations can be performed with the remote control.	• Check the batteries are installed with the correct polarities (+ and -). • The batteries are depleted:replace them with new ones. • Point the remote control unit at the remote control sensor and operate. • Operate the remote control unit at a distance of not more than 7 meters(23 feet) from the remote control sensor. • Remove the obstacles between the remote control unit and remote control sensor.
• No key operation (by the unit and/or the remote control) is effective.	• Set the POWER button to OFF and then back to ON. Alternatively, turn off the power, disconnect the power plug and then re-connect it. (The player may not be operating properly due to lightning, static electricity or some other external factor.)
• On-Screen Menu Icons not displayed or only partially displayed on the TV Screen.	• Select the appropriate TV screen type by consulting the operating manual for the TV.

7.1 Trouble shooting

Symptom (DVD)	Remedy
• No operations can be performed regardless of inserting the DVD	• Assure the region code for DVD. • Assure the item “PARENTAL” in the INITIAL setup.
• Audio Language or Screen Caption is not existing in the INITIAL SET menu.	• Assure if DVD provides Audio Caption and Screen Caption.
• No Screen Caption.	• Assure if DVD provides Screen Caption. • Assure if the set for TV screen is appropriate.
• Audio Language or Screen Caption is not convertible.	• Assure if DVD provides Screen Caption and Audio Language.
• Screen Angle is not transformable.	• Assure if DVD is saved with various screen angles.

Symptom (Video CD)	Remedy
• No Menu Popped Up	• Check if PBC (Play back control) function of video CD is off.

Specifications

Classification	Description

System	Karaoke Player			
Compatible Discs	DVD CDG, NEO+G Video CD 1.1 Video CD 2.0 (PBC Function) SVCD Audio CD, MP3 CD			
Input Terminal	MIC			10mV(600Ω), 2EA
Output Terminal	Video	Video Out Terminal		1Vp - p(75Ω)
		S-VHS	Y	1Vp - p(75Ω)
			C	0.286Vp - p(75Ω)
		Component	Y	1Vp - p(75Ω)
			Pb	0.7Vp - p(75Ω)
			Pr	0.7Vp - p(75Ω)
	Audio			2Vrms
Power Supply	Supply Voltage			AC 110V-220V, 50/60Hz
	Power Consumption			30W
Size	420(W)×90(H)×340(D)mm			
Weight	4.5Kg(net, include HDD)			

∗ This unit is designed for home appliance with good appearance, high quality, function and user's convenience also.

∗ The specifications and design of this product are subject to change without notice, due to improvement.